Cooper & Hunter

CEILING CASSETTE
Air Conditioners

UP TO 22.6 SEER2

Single-Zone | Multi-Zone | Light Commercial



R454B | AHRI CERTIFIED | ENERGY STAR | Intertek | GoldFin | INVERTER | TU1

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Single-Zone/Multi-Zone Residential/Lt. Commercial

*Panel sold separately, not included with Unit.

UP TO 22.6 SEER2

9K, 12K, 18K, 24K, 36K, 48K Btu/h

SMART KIT BUILT IN

Wall Thermostat should be connected to the unit to be Smart



CONTROL OPTIONS

- Smart Kit Built In with Downloadable C&H app
- Remote Control Included
- Wall Thermostat

Line Set Model 3/4"	Line Set Model 1/2"	Line Set Size
PJX-N1-C16FTW-MAX	PJX-N1-C16FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C25FTW-MAX	PJX-N1-C25FTW-MAX-i05	1/4" – 3/8"
PJX-N1-C50FTW-MAX	PJX-N1-C50FTW-MAX-i05	1/4" – 3/8"
PJX-N2-C16FTW-MAX	PJX-N2-C16FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C25FTW-MAX	PJX-N2-C25FTW-MAX-i05	1/4" – 1/2"
PJX-N2-C50FTW-MAX	PJX-N2-C50FTW-MAX-i05	1/4" – 1/2"
PJX-N3-C16FTW-MAX	PJX-N3-C16FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C25FTW-MAX	PJX-N3-C25FTW-MAX-i05	3/8" – 5/8"
PJX-N3-C50FTW-MAX	PJX-N3-C50FTW-MAX-i05	3/8" – 5/8"
PJX-N4-C25FTW-MAX		3/8" – 3/4"
PJX-N4-C50FTW-MAX		3/8" – 3/4"
PJX-N6-C25FTW-MAX		3/8" – 7/8"
PJX-N6-C50FTW-MAX		3/8" – 7/8"



Refrigerant Sensor

Humidity Sensor

INDOOR

							LIGHT COMMERCIAL				LIGHT COMMERCIAL	
Ceiling Cassette PRO (Model Numbers)			CH-RSH09-12MCT (Dip Switch for 9K)	CH-RSH09-12MCT (Dip Switch for 12K)	CH-RSH18MCT	CH-RSH24MCT	CH-RSH36LCCT	CH-RSH48LCCT	CH-RSH09-12MCT (Dip Switch for 9K)	CH-RSH09-12MCT (Dip Switch for 12K)	CH-RSH18MCT	CH-RSH24MCT	CH-RSH36LCCT	CH-RSH48LCCT
Ceiling Cassette (Model Numbers)			CH-RH09MCT	CH-RH12MCT	CH-RH18MCT	CH-RH24MCT	CH-RH36LCCT	CH-RH48LCCT	CH-RH09MCT	CH-RH12MCT	CH-RH18MCT	CH-RH24MCT	CH-RH36LCCT	CH-RH48LCCT
Panel Model Number			CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL24-48CT	CH-NPNL24-48CT	CH-NPNL24-48CT	CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL09-18CT	CH-NPNL24-48CT	CH-NPNL24-48CT	CH-NPNL24-48CT
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
Rated Capacity	Cooling	Btu/h	9,000	12,000	16,000	23,400	36,600	48,000	9,000	12,000	16,800	24,000	36,000	48,000
	Heating	Btu/h	10,000	12,000	19,000	25,000	37,000	53,000	10,000	12,000	18,000	25,000	38,000	50,000
Minimum Circuit Ampacity (MCA)		A	3	3	3	3	3	3	3	3	3	3	3	3
Max. Fuse		A	15	15	15	15	15	15	15	15	15	15	15	15
Indoor Air Flow (Turbo/Hi/Mi/Lo/Si)		CFM	417.9/364.9/306.1/ 194.2/147.2	417.9/364.9/306.1/ 194.2/147.2	447.3/388.5/317.8/ 194.2/147.2	765.2/706.3/635.7/ 547.4/N/A	1041.8/947.6/853.5/ 753.4/659.2	1236.1/1124.2/1018.3/ 800.5/688.7	417.9/364.9/306.1/ 194.2/147.2	417.9/364.9/306.1/ 194.2/147.2	447.3/388.5/317.8/ 194.2/147.2	765.2/706.3/635.7/ 547.4/N/A	1041.8/947.6/853.5/ 753.4/659.2	1236.1/1124.2/1018.3/ 800.5/688.7
Indoor Noise Level (Turbo/Hi/Mi/Lo/Si)		dB(A)	42.5/40/37.5/26/24	46/43.5/40.5/27.5/26	48/44.5/41/27.5/23.5	48.5/45/42.5/33.5/N/A	54/52.5/47/39.5/36.5	56/52.5/50/42.5/38.5	42.5/40/37.0/26.0/24.0	46/42.0/38.5/26.5/24.0	48/44.0/41.0/28.5/24.5	N/A/45.5/43.0/33.5/30.5	N\A/52.0/47.5/40.0/38.00	N\A/52.0/49.5/41.5/38.00
Indoor	Dimension (WxDxH)	inch	22.44x22.44x9.65	22.44x22.44x9.65	22.44x22.44x9.65	32.68x32.68x8.07	32.68x32.68x9.65	32.68x32.68x11.30	22.44x22.44x9.65	22.44x22.44x9.65	22.44x22.44x9.65	32.68x32.68x8.07	32.68x32.68x9.65	32.68x32.68x11.30
	Packing (WxDxH)	inch	28.15x25.20x11.61	28.15x25.20x11.61	28.15x25.20x11.61	35.83x35.83x9.84	35.83x35.83x11.42	35.83x35.83x12.99	28.15x25.20x11.61	28.15x25.20x11.61	28.15x25.20x11.61	35.83x35.83x9.84	35.83x35.83x11.42	35.83x35.83x12.99
	Net/Gross Weight	lbs.	35.27/41.89	35.27/41.89	35.27/41.89	47.18/59.08	59.30/71.43	64.59/76.06	35.27/41.89	35.27/41.89	35.27/41.89	47.18/59.08	59.30/71.43	64.59/76.06
Room Temperature	Cooling	°F	60~90	60~90	60~90	60~90	60~90	60~90	62~90	62~90	62~90	60~90	60~90	60~90
	Heating	°F	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86
Liquid Side/Gas Side		inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"

OUTDOOR

			HYPER				LIGHT COMMERCIAL		REGULAR				LIGHT COMMERCIAL	
Outdoor Model			CH-RHP09-230VO	CH-RHP12-230VO	CH-RHP18-230VO	CH-RHP24-230VO	CH-RHP36LCU-230VO	CH-RHP48LCU-230VO	CH-RES09-230VO	CH-RES12-230VO	CH-RES18-230VO	CH-RES24-230VO	CH-R36LCU-230VO	CH-R48LCU-230VO
Power Supply	Rated	V, Ph, Hz	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60	208/230,1, 60
	Voltage Range	V	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
Cooling	Rated Capacity Range	Btu/h	3,700~13,600	3,800~15,100	7,000~18,500	12,800~26,200	4,900-38,000	4,900-52,700	3,700~12,000	3,700~14,000	5,300~17,800	12,300~26,800	6,400-39,800	10,600-50,400
	Rated Current	A	4.8	4.6	8	8.9	13.5	21.0	4.5	4.3	6.1	8.8	16.4	22.5
	EER2		14	12.5	12.5	12	12	10	14.3	12.5	12.5	12	9.6	9.5
	SEER2		22.6	22.2	20	20.7	21.2	18	21.6	21.1	20.7	22	20	19
Heating at 47°F	Rated Capacity Range	Btu/h	5,100~15,700	5,300~16,200	8,700~20,000	11,500~30,700	11,400-44,600	19,000-57,400	4,700~13,700	4,700~15,000	7,100~21,500	11,600~33,100	14,400~42,200	19,900-61,700
	Rated current	A	3.3	4.4	11	9.5	14.1	22	3.3	4.3	7.2	10.2	15	22.1
	COP	W/W	4.00	3.70	3.18	3.54	3.43	3.09	4.00	3.55	3.36	3.20	3.31	2.96
	HSPF4		12.1	11.6	12.3	11.6	10.6	11.0	11.3	10.4	11.4	10.5	10.3	9.9
	HSPF5		9.3	8.9	9.5	9.2	7.9	7.7	8.8	7.9	8.5	8.1	8.8	8.8
Minimum Circuit Ampacity		A	15	15	19	24.9	38	44	12	12	18	24	33	39
Max.Fuse (Outdoor Unit)		A	15	15	20	25	40	45	15	15	20	25	35	40
Outdoor Air Flow (Max.)		CFM	1,471.5	1,471.5	1,765.8	2,236.7	3,001.9	4,237.9	1,236.1	1,236.1	1,765.8	2,236.7	2,413.3	4,237.9
Outdoor Noise Level (Sound Pressure)		dB(A)	55	57	57.5	61.5	64.5	62.5	54.5	54.5	57.5	59.5	63	62.5
Dimension (W×D×H)		inch	31.69x12.99x21.81	31.69x12.99x21.81	35.04x13.46x26.50	37.24x16.14x31.89	38.58x16.34x38.39	37.48x16.34x52.48	30.12x11.93x21.85	30.12x11.93x21.85	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
Packing (W×D×H)		inch	36.02x14.57x24.21	36.02x14.57x24.21	39.17x15.67x29.13	42.91x19.68x34.84	45.08x19.68x42.52	43.11x19.49x57.48	34.92x13.27x24.02	34.92x13.27x24.02	39.17x15.67x29.13	42.91x19.68x34.84	42.91x19.68x34.84	43.11x19.49x57.48
Net/Gross Weight		lbs.	72.75/78.70	72.75/78.70	99.87/107.80	130.29/141.31	206.57/237.44	208.78/239.86	62.17/67.68	62.17/67.68	92.59/100.31	122.13/132.28	152.34/162.48	208.78/239.86
Refrigerant Type / Charge		oz.	R454B/35.27	R454B/35.27	R454B/55.38	R454B/63.49	R454B/126.99	R454B/126.99	R454B/32.45	R454B/32.45	R454B/47.97	R454B/ 70.55	R454B/91.71	R454B/126.99
Refrigerant Precharge Length		ft.	25	25	25	25	25	25	25	25	25	25	25	25
Additional Charge for Each ft.		oz/ft	0.16	0.16	0.16	0.32	0.32	0.32	0.16	0.16	0.16	0.32	0.32	0.32
Design Pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340	550/340
Refrigerant Piping Liquid Side/Gas Side		inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"
Max. Pipe Length		ft.	82.00	82.00	98.40	164.00	246.00	246.00	82.00	82.00	98.40	164.00	246.00	246.00
Max. Difference in Level		ft.	49.20	49.20	65.60	82.00	98.40	98.40	49.20	49.20	65.60	82.00	98.40	98.40
Ambient Temperature	Cooling	°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-13~122	-13~122	-13~122	-13~122	-13~122	-13~122
	Heating	°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75
Certifications	ETL		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	AHRI		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	Energy Star for Cold Climate		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	NEEP		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

CEILING CASSETTE



GENERAL FEATURES

- Activated Carbon Filter
- GoldFin Anti-Corrosive Coating
- Anti Cold Air
- Omni-Directional Airflow
- Sleep Mode
- Turbo Operation
- Multiple Fan Speeds
- Refrigerant Leakage Detection
- Self Diagnosis Function
- Fresh Air Intake

Refrigerant Sensor

Humidity Sensor



CH-NPNL09-18CT

Grill	in	16.5x16.5x0.78
Panel Dimension (WxDxH)	in	25.47x25.47x1.97

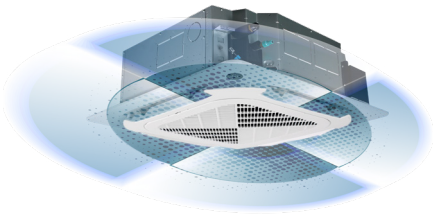


CH-NPNL24-48CT

Grill	in	24.49x24.49x1
Panel Dimension (WxDxH)	in	37.4x37.4x2.17

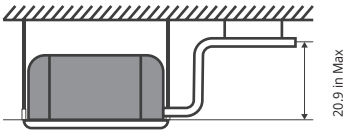
360° AIR FLOW PANEL

With a 360° Air Flow Panel, air is evenly distributed to every corner of the room.



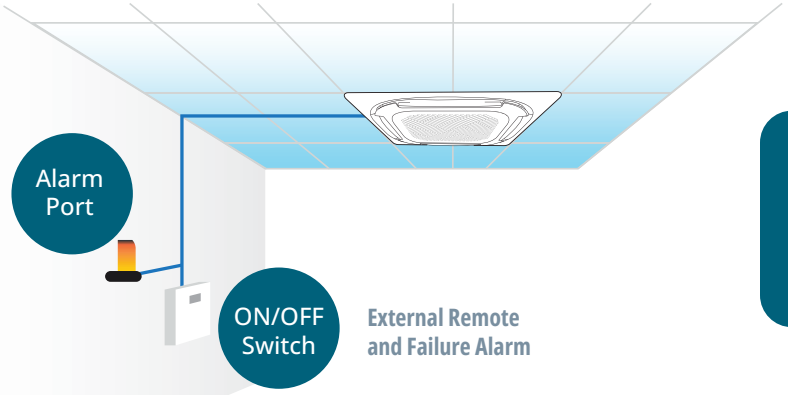
BUILT-IN DRAIN PUMP

Built-in pump with float switch removes the condensate water out of the unit efficiently and automatically with a 20.9-inch lift capability and quiet performance.



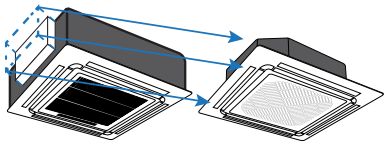
RESERVED ON/OFF AND ALARM PORTS

ON/OFF Switch: With the reserved ports, a remote switch can easily be connected.
Alarm Port: The built-in PCB can output an alarm signal which allows set up of external alarm light or vibration gauge.



E-BOX INSIDE

Easy maintenance with the electric box inside the unit. The integrated design provides a more compact size for easier installation.





CONTROL OPTIONS

- Smart Kit Built In with Downloadable C&H app
- Remote Control Included
- Wall Thermostat

TECHNICAL SUPPORT
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CEILING CASSETTE

SINGLE-ZONE/MULTI-ZONE/RESIDENTIAL/COMMERCIAL

Your actual Inverter Heat Pump system and related devices may differ from images shown in this specification sheet. Test conditions are based on AHRI 210/240. Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or change specifications or designs at any time without incurring obligations.

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